

PART B - FEE(S) TRANSMITTAL

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JAN 05 2005

or Fax

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Commissioner for Patents
P.O. Box 1450
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(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22922

7590

10/05/2004

REINHART BOERNER VAN DEUREN S.C.
ATTN: LINDA GABRIEL, DOCKET COORDINATOR
1000 NORTH WATER STREET
SUITE 2100
MILWAUKEE, WI 53202

Express Mail
No. EV 531802337 US

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first-class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Rodney D. DeKruif	(Depositor's name)
<i>Rodney DeKruif</i>	(Signature)
January 5, 2005	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/815,951	03/22/2001	Tobin J. Marks	6418	6464

TITLE OF INVENTION: LAYER BY LAYER SELF-ASSEMBLY OF LARGE RESPONSE MOLECULAR ELECTRO-OPTIC MATERIALS BY A DESILYLATION STRATEGY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1370	\$0	\$1370	01/05/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
TUCKER, PHILIP C	1712	252-582000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.
2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
- 1 Reinhart Boerner Van Deuren s.c.
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Northwestern University

(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Evanston, IL 60201-2501 700.00 OP

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

- Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s):

- A check in the amount of the fee(s) is enclosed. Small entity fee: \$700
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Rodney DeKruif

Date January 5, 2005

Typed or printed name

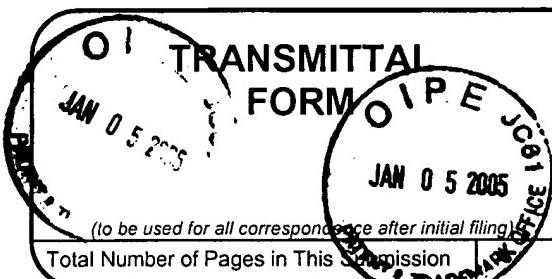
Rodney D. DeKruif

Registration No. 35,853

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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		Application Number 09/815,951 Filing Date March 22, 2001 First Named Inventor Tobin J. MARKS Art Unit 1712 Examiner Name Philip C. Tucker Total Number of Pages in This Submission 6418	
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ENCLOSURES (check all that apply)

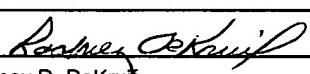
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return receipt postcard; Transmittal of Payment of Issue Fee; Fee(s) Transmittal
Remarks Authorization is hereby given to charge or credit Deposit Account No. <u>18-0882</u> for any fee deficiency or overpayment.  <u>Rodney D. DeKruif</u>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Reinhart Boerner Van Deuren s.c.		
Signature			
Printed Name	Rodney D. DeKruif		
Date	January 5, 2005	Reg. No.	35,853

CERTIFICATE OF TRANSMISSION/MAILING

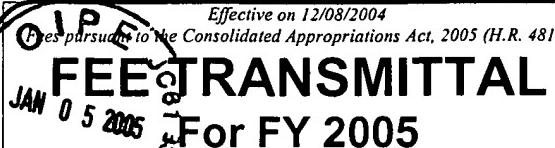
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail, No. EV 531802337 US, in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Signature			
Typed or printed name	Rodney D. DeKruif	Date	January 5, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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 <p><i>Effective on 12/08/2004 Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818)</i></p>		Complete if Known	
		Application Number	09/815,951
		Filing Date	March 22, 2001
		First Named Inventor	Tobin J. MARKS
		Examiner Name	Philip C. Tucker
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	1712
TOTAL AMOUNT OF PAYMENT (\$700)		Attorney Docket No.	6418

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number **18-0882** Deposit Account Name: **Reinhart Boerner Van Deuren s.c.**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Charge fee(s) indicated below | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under | <input checked="" type="checkbox"/> Credit any overpayments; charge any deficiency |

37 CFR 1.16 and 1.17 except for the issue fee

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Small Entity Fee (\$)

50 25

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
-20 or HP	x	=	\$			

-20 or HP x = \$

HP= highest number of total claims paid for, if greater than 20

Indep Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
-3 or HP	x	=	\$

-3 or HP x = \$

HP= highest number of independent claims paid for, if greater than 3

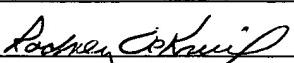
3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250.00 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
-100	/50	(round UP to a whole number)	=	\$

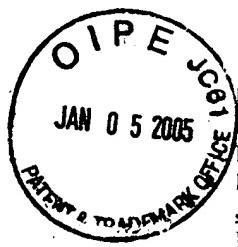
4. OTHER FEE(S)	Non-English Specification, \$130 fee (no small entity discount)	Fee Paid (\$)
Other: Issue Fee		\$700

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	35,853	Telephone	414-298-8360
Name (Print/Type)	Rodney D. DeKruif			Date	January 5, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Reinhart Boerner Van Deuren s.c.

By: Rodney D. DeKnif
Rodney D. DeKnif

Date: January 5, 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GROUP ART UNIT: 1712

EXAMINER: Philip C. Tucker

In re application of: Marks et al.)
)
)
Application No: 09/815,951)
)
Filed: March 22, 2001)
)
Confirmation No.: 6464)
)
Attorney Docket No. 6418)
)
Customer No. 22922)

For: LAYER BY LAYER SELF-
ASSEMBLY OF LARGE
RESPONSE MOLECULAR
ELECTRO-OPTIC MATERIALS
BY A DESILYLATION
STRATEGY

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

January 5, 2005

TRANSMITTAL OF PAYMENT OF ISSUE FEE (37 CFR 1.311)

1. Applicant hereby pays the issue fee for the attached Issue Fee Transmittal PTOL-85.
2. Fee (37 CFR 1.18(a) and (b))

Application status is: Regular Design
[x] small business entity - fee [x] \$700.00 [] \$400.00
[] other than a small entity - fee [] \$1,400.00 [] \$800.00

publication fee \$300.00

3. Payment of fee

Enclosed please find a check in the sum of \$700

Charge Account 18-0882 for any fee deficiency.

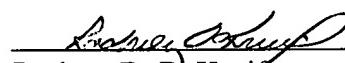
Charge Account _____ the sum of \$_____

A duplicate of this request is attached.

NOTE: The PTO has established a special box designator for issue fees, the orders for advance copies and the fees associated with these services. To take advantage of this new service, the envelope should be addressed to: Box Issue Fees, Commissioner of Patents and Trademarks, Washington, D.C. 20231.
Notice of March 7, 1988, 1088 O.G. 102.

Reg. No.: 35,853

Tel. No.: (414) 298-8360


Rodney D. DeKruif

Reinhart Boerner Van Deuren s.c.

Attn: Linda Gabriel-Kasulke, Docket Clerk

1000 North Water Street, Suite 2100

Milwaukee, WI 53202